

Anti-HSD17B2 Antibody Picoband® HRP Conjugated

Catalog Number: A02506-1-HRP

About HSD17B2

HSD17B2(17-BETA-HYDROXYSTEROID DEHYDROGENASE II), also called 17-BETA-HSD II, is an enzyme which has 387 amino acids with a predicted molecular weight of 42,782 and associates with the membranes of the endoplasmic reticulum. Its cytogenetic location is 16q23.3. The type 2 enzyme is capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone. HSD17B2 mRNA was detected in 18 of 42(43%) adenomas but not in prolactinomas. In the human endometrium, inactivation of 17-beta-estradiol to estrone is catalyzed by HSD17B2. And HSD17B2 activity distinguishes between disease-free and diseased endometria. HSD17B2 efficiently catalyzes the oxidative metabolism of androgens and estrogens, and it is expressed in a large series of human peripheral tissues. The previous paradigm that HSD17B2 activity in the endometrium is elevated during the secretory phase is confined to diseased endometrium but not to disease-free endometrium.

Overview

Product Name	Anti-HSD17B2 Antibody Picoband® HRP Conjugated
Reactive Species	Human, Mouse
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P37059

Technical Details

Immunogen	E.coli-derived human HSD17B2 recombinant protein (Position: Q75-R365). Human HSD17B2 shares 63.6% and 65.2% amino acid (aa) sequence identity with mouse and rat HSD17B2, respectively.
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP

Suggested Dilutions

The intended application should be selected according to the customer's experimental requirements.

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Anti-HSD17B2 Antibody - HRP

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